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Customer No.:

07278

Docket No.:

03988/100K297US1

PATENT TRADEMARK DEFRCE

is a below named inventor, I hereby declare and state:



that the information given herein is true;

that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the invention entitled:

METHODS AND SYSTEMS FOR ESTIMATING THE MELTING TEMPERATURE (TM) FOR POLYNUCLEOTIDE MOLECULES

which is described and claimed in:

[] the attached specification or

[X] the specification in application Serial No. 10/660,253, filed September 11, 2003;

that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof, or that the same was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, or that the same was in public use or on sale in the United States of America more than one year prior to this application; and

that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

I acknowledge my duty to disclose information of which I am aware which is material to patentability in accordance with 37 CFR §1.56.

I hereby state that I have reviewed and understand the contents of the aboveidentified specification, including the claims, as amended by any amendment referred to above.

I hereby claim the priority benefits under 35 U.S.C. §119 of any application(s) for patent or inventor's certificate listed below. All foreign applications for patent or inventor's certificate on this invention filed by me or my legal representatives or assigns prior to the application(s) of which priority is claimed are also identified below.

PRIOR APPLICATION(S), IF ANY, OF WHICH PRIORITY IS CLAIMED

COUNTRY USA APPLICATION NO 60/410.663

DATE OF FILING
September 12, 2002

ALL FOREIGN APPLICATIONS, IF ANY, FILED PRIOR TO THE APPLICATION(S) OF WHICH PRIORITY IS CLAIMED

COUNTRY

APPLICATION NO

DATE OF FILING

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark office connected therewith:

Practitioners at Customer Number

07278

Customer Number

(At the time of execution of this document, these attorneys included: Gordon D. Coplein #19,165, Michael J. Sweedler #19,937, S. Pater Ludwig #25,361, Paul Fields #20,298, Marc S. Gross #19,614, Joseph B. Lerch #26,936, Melvin C. Garner #26,272, Adds C, Gogoris #29,714, Bert J. Lawen #19,407, Henry Sternberg #22,408, Peter C. Schechter #31,662, Robert Scheffer #31,194, Robert C. Sullivan, Jr. #30,499, Joseph R. Robinson #33,448, Scott G. Lindvall #40,325, Paul F. Fehlner, Ph.D. #35,135, David Laason #38,195, Pierre R. Yanney #35,418)

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I further declare:

that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| SIGNATURE OF INVENTOR 1: | Malfi | Dated: |
|--------------------------|--------------------|-------------------------|
| | Mark Behlke | • |
| SIGNATURE OF INVENTOR 2: | Lingyan Huang | Dated: 1/15/04 |
| SIGNATURE OF INVENTOR 3: | Richard Owczarzy | Dated: January 15, 2000 |
| SIGNATURE OF INVENTOR 4: | Joseph Alan Walder | Dated: 1/15/04 |